

WHAT IS CLAIMED IS:

1. A flowmeter, comprising:
 - a primary flow sensor;
 - sensor electronics connected to said primary flow sensor for proving a measurement signal;
 - a signal processing unit connected to said sensor electronics for determining the flow, said signal processing unit being set to produce a signal proportional to the flowrate or the square of the flowrate; and
 - an output signal generator for generating an output signal proportional to the signal of the signal processing unit.
2. The flowmeter according to claim 1, further comprising:
 - a communication interface, allowing a user to set the output signal to be proportional to the flowrate or the square of the flowrate.
3. The flowmeter according to claim 1, wherein:
 - said primary flow sensor includes two ultrasonic transducers serving as transmitters and receivers.
4. The flowmeter according to claim 1, wherein:
 - said output signal generator comprises part of said signal processing unit.